

# BIOSCIENCE CENTER



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## The Vision

The three-story, 32,000 SF first phase Bioscience Center was master planned and designed to fulfill the client's vision to make a statement on the I-75 corridor that represents the upbeat, cutting edge pedagogy the school utilizes to educate over 300 health care and bioscience students. This was achieved on a highly visible Interstate site with the design of simple sloped form with dynamic color that is set against a black glass surface on both sides. The red metal panel, black glass, and brick structure was designed to reduce freeway sound levels and create a recognizable new brand for career tech education that has energized student attendance and participation.

The collegiate style interiors feature four classrooms and six labs for bioscience education with glass doors and walls that promote openness of all learning spaces. A two-story central space includes four glass enclosed huddle rooms, two central large collaboration areas, and a multi-purpose area with open tables and booths that supports both learning and eating opportunities.

The second phase of the project is planned to add a third floor for bioscience adult education and local chamber of commerce offices to support workforce development.

Freeway Side View



Multi-purpose Room

## Pedagogy and the POR

MSP worked with administration, faculty, and business stakeholders to establish the desired pedagogy for the delivery of education and the program of requirements that established the facility design criteria. The education focus of mastery and blended learning allows students to access "no-bells" classrooms, labs, and collaboration spaces to progress at their own speed.



Classroom



Collaboration Commons

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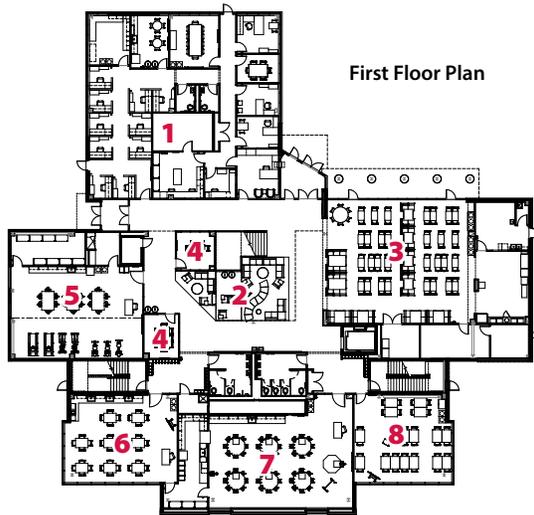
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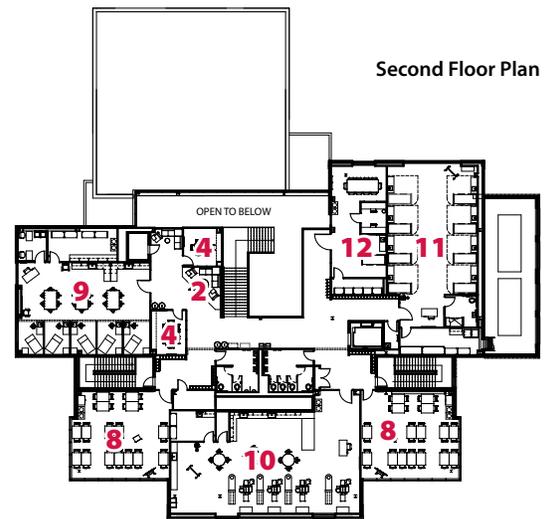
## Flexibility

The ability to adjust learning spaces to fit the learning needs is the goal and plays a major role in the design of the center. Classrooms and labs are designed to maximize layout options to accommodate individual projects, group learning or all class learning experiences where possible. Collaboration spaces are planned to accommodate all students at peak times. These spaces vary from open areas with moveable furniture and writer boards to huddle rooms with writable walls and a flexible layout multi-purpose area. The multipurpose area is designed for student and faculty collaboration and provides for individual study, group projects and eating. It is made up of a combination of flexible tables allowing for individual work space up to larger groups and moveable booths for up to 4 or 6 persons. Food is made available through upscale vending with healthy food options that are filled daily through an outside service.



## Floor Plan Notes

1. Administration
2. Collaboration Commons
3. Multi-Purpose Room
4. Huddle Room
5. Exercise Science Lab
6. Project Lead the Way Classroom
7. Unpredictable Science Lab
8. Classroom
9. Medical Assistant Lab
10. Dental Assistant Lab
11. State Tested Nursing Lab
12. Simulation Lab



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## Site Selection

The area Butler Tech selected for the learning center is located in a new growth area, north of metropolitan Cincinnati where numerous hospitals are constructing new facilities. MSP was retained to find the best site that met a series of criteria developed in conjunction with Butler Tech. The south site option was selected, which gave hospital clients and students close access for training and co-op experience.



"MSP created a stunning facility. It is the talk of the town and an amazing addition to the highway-scape of I-75 in Butler County. ...

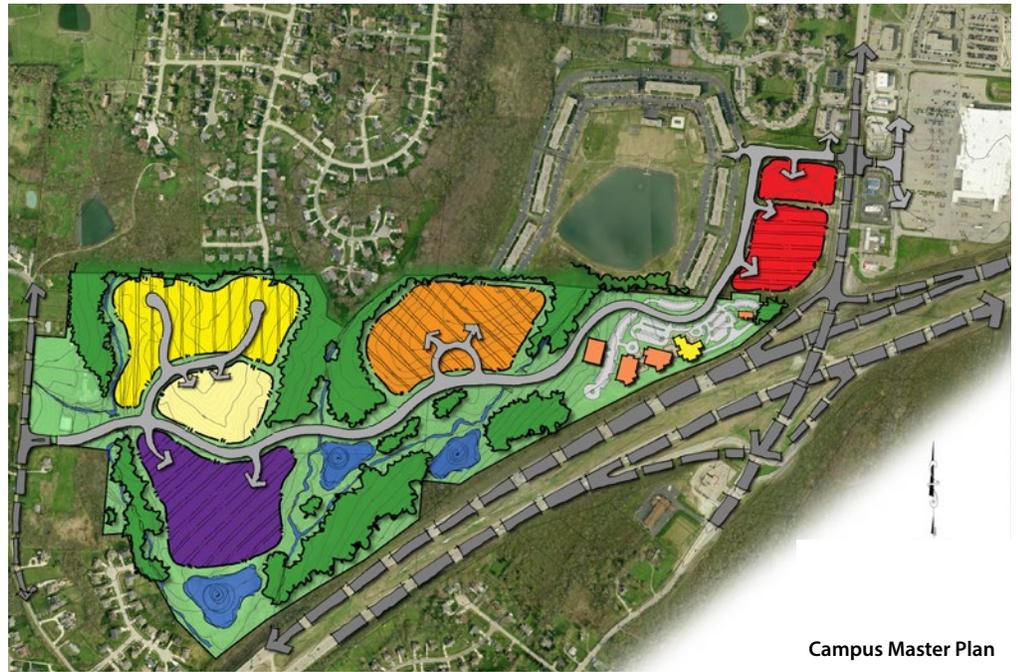
We are drawing interest in our campus not only through its exterior but also with the interior design. This design was not your typical school, it was designed to ensure the form facilitated the envisioned function of how space is used for learning in the 21st century. ...

In our experience MSP has been more than an architecture firm, they have been a partner."

– **Abbie C. Cook**, Ed.D., *Site Supervisor*  
Butler Tech Bioscience Center

## Public Private Development Potential

The master plan of the 27 acre site by MSP revealed future public-private development options on the property owned by the school which are being explored. Additionally, the new roadway to the site is planned to be extended by the local government. This will open up multiple development sites that are expected to be high profile locations for healthcare and bio-industry companies complimentary to the Bioscience Center. The new Bioscience Center has stimulated additional opportunities for community workforce development.



Campus Master Plan

## Contact MSP

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Craig is an AIA award-winning architect with over 45 years of master planning, architectural design, and project management experience. He has worked with multiple campuses to develop overall master plans and new learning spaces driven by technology.



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